## REPORT ON THE JANUARY 1, 2004 ACTUARIAL VALUATION OF THE BELMONT CONTRIBUTORY RETIREMENT SYSTEM

June 18, 2004

Retirement Board Belmont Contributory Retirement System P.O. Box 56 Town Hall Belmont, Massachusetts 02478-0900

Dear Members of the Board:

We have completed an actuarial valuation of the Belmont Contributory Retirement System as of January 1, 2004. The results are presented in this report.

The Table of Contents, which immediately follows, lists the material contained in the report.

Respectfully submitted,

David Dringe

David L. Driscoll, F.S.A., E.A. Principal, Consulting Actuary

## **TABLE OF CONTENTS**

Section	<u>Item</u>	<u>Page</u>
SECTION I	OVERVIEW	1
SECTION II	SUMMARY OF PRINCIPAL RESULTS	2
SECTION III	MEMBERSHIP DATA	4
SECTION IV	ASSETS	6
SECTION V	COMMENTS ON VALUATION	7
SECTION VI	CONTRIBUTIONS PAYABLE UNDER THE SYSTEM	8
SCHEDULE A	RESULTS OF VALUATION	10
SCHEDULE B	ACTUARIAL ASSUMPTIONS AND METHODS	11
SCHEDULE C	SUMMARY OF SYSTEM PROVISIONS	13
SCHEDULE D	MEMBERSHIP TABLES	17
SCHEDIILE E	VALUATION RESULTS BY GROUP	20

Page 1

**SECTION I - OVERVIEW** 

The Belmont Retirement Board has engaged Mellon to prepare an actuarial valuation of the

Retirement System as of January 1, 2004. Employee data and asset information as of this date were

provided by the Retirement Board.

The valuation was prepared pursuant to Chapter 32 of the Massachusetts General Laws, based upon

the acceptance of Section 22D.

The purposes of the valuation are to:

1) analyze the current funded position of the Retirement System and determine the level

of contributions necessary to assure sound funding;

2) update the Section 22D funding schedule currently in place for the Retirement

System; and

3) provide reporting and disclosure information for financial statements, governmental

agencies, and other interested parties.

Section II provides a summary of the principal valuation results. Section VI provides a projection of

the Section 22D funding amounts. The assumptions used in this valuation are summarized in

Schedule B of this report.

Belmont Contributory Retirement System January 1, 2004

## **SECTION II - SUMMARY OF PRINCIPAL RESULTS**

1. For convenience of reference, the principal results of the valuation as of January 1, 2004, are summarized below along with a comparison with the amounts developed in the previous valuation as of January 1, 2002.

Valuation Date		January 1, 2002		January 1, 2004	
Active members:					
Number		443		421	
Annual compensation	\$	14,536,443	\$	16,082,587	
Average age		46.5		46.9	
Average service		10.2		9.7	
Average compensation	\$	32,814	\$	38,201	
Accumulated employee contributions	\$	12,947,278	\$	12,960,944	
Pensioners and beneficiaries:					
Number		313		345	
Annual benefit payments <sup>1</sup>	\$	5,536,631	\$	6,833,056	
State-funded COLA payments	\$	268,251	\$	238,254	
Net benefit (funded by town)	\$	5,268,380	\$	6,594,802	
Average net benefit	\$	16,832	\$	19,115	
Inactive employees					
Number		46		48	
Accumulated employee contributions	\$	293,361	\$	374,257	
Assets for valuation purposes	\$	52,838,407	\$	53,364,538	
Unfunded actuarial liability	\$	34,337,667	\$	41,583,284	
Section 22D funding for fiscal 2006	\$	3,834,694	\$	4,099,337	
Funded percentage		60.6%		56.2%	

Benefit amount includes cost-of-living adjustments implemented after July 1, 1981 and prior to July 1, 1998.

2. A projection of Section 22D costs is presented in Section VI.

- Schedule B of this report outlines the full set of actuarial assumptions and methods employed. These assumptions have been changed in several respects from those used in the last valuation.
- 4. The provisions of the System are summarized in Schedule C. The valuation recognizes the adoption of Section 288 of Chapter 194 of the Acts of 1998 concerning the "Option (c) Pop-up" provision for members who retired prior to January 12, 1988. It also reflects the decision of the Retirement Board to recognize longevity payments to Police Officers in the computation of their pension benefits.
- 5. This valuation also reflects liabilities arising under the 2002 and 2003 Early Retirement Incentive (ERI) Programs. The additional liability associated with the 2002 ERI Program, under which retirement was elected only by three Housing Authority employees, was calculated by the Public Employee Retirement Administration Commission (PERAC) of Massachusetts as \$200,900. This liability is to be amortized in level annual installments over fiscal years 2004 through 2018. Twelve employees from various departments elected to retire under the 2003 ERI Program. We have calculated the additional liability associated with these retirements as \$618,459 as of January 1, 2004, and this liability is to be amortized in installments increasing at the rate of 4½% per year over fiscal years 2006 through 2025.

#### **SECTION III - MEMBERSHIP DATA**

- 1. In order to calculate the aggregate liabilities and assets on account of members of the System as of January 1, 2004, data were needed with respect to each active and retired member and beneficiary of the System. This was provided in electronic format by the Retirement Board.
- 2. From the data, tabulations were made showing, as of January 1, 2004, the number and annual compensation of members classified by age and years of service and the number and annual retirement allowances of retired members and beneficiaries as of January 1, 2004, classified by age. These tables are presented in Schedule D of this report.
- 3. The following tables show the number of active and retired members of the Retirement System as of January 1, 2004.

TABLE I

THE NUMBER AND ANNUAL COMPENSATION
OF ACTIVE MEMBERS
AS OF JANUARY 1, 2004

GROUP	NUMBER	COM	IPENSATION
General Employees	309	\$	9,718,725
Police and Fire	112	\$	6,363,862
Total	421	\$	16,082,587

TABLE II

THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF RETIRED MEMBERS AND BENEFICIARIES

AS OF JANUARY 1, 2004

Group	Annual Retirement Allowance Number Total Pension COLA			COLA*
Service Retirements	272 40	\$ 5,475,636 \$ 860,563	\$	131,703
Disability Retirements Beneficiaries	33	\$ 860,563 \$ 496,857	\$ \$	67,630 38,921
Total	345	\$ 6,833,056	\$	238,254

<sup>\*</sup> Amount shown under "COLA" is the sum of the adjustments made after July 1, 1981 and before July 1, 1998, which are funded by the State.

In addition, there are 48 inactive members with accumulated employee contributions of \$374,257.

#### **SECTION IV - ASSETS**

The asset value utilized in this valuation is based on financial information reported by the Retirement Board. As of January 1, 2004, the reported market value of the System's assets amounted to \$50,332,974. The actuarial value of assets for funding purposes is \$53,364,538. The actuarial value of assets is developed using a smoothing method that, as described in Schedule B of this report, moderates the impact of year-to-year fluctuations in asset values caused by investment gains and losses.

1.	Market value of System assets, January 1, 2003	\$43,404,845
2.	Town and member contributions, net transfers and reimbursements in 2003	5,296,477
3.	Expenses in 2003	(337,999)
4.	Benefits and refunds in 2003	(6,362,578)
5.	Expected interest in 2003	3,518,154
6.	Expected market value of System assets, January 1, 2004	45,518,899
7.	Actual market value of System assets, January 1, 2004	50,332,974
8.	Investment gain (loss) for 2003, (7)-(6)	4,814,075
9.	Investment gain (loss) for 2002	(6,966,586)
10.	Investment gain (loss) for 2001	(5,625,393)
11.	Investment gain (loss) for 2000	(2,263,578)
12.	Preliminary actuarial value of assets, January 1, 2004 [(7) $-$ 80% X (8) $-$ 60% X (9) $-$ 40% X (10) $-$ 20% X (11)]	53,364,538
13.	80% of market value of assets, January 1, 2004 = 80% X (7)	40,266,379
14.	120% of market value of assets, January 1, $2004 = 120\% X (7)$	60,399,569
15.	Actuarial value of assets, January 1, 2004 [(12), but not less than (13) or greater than (14)]	53,364,538

SECTION V - COMMENTS ON VALUATION

Schedule A of this report contains the results of the valuation, which include present and

prospective assets and liabilities of the System as of January 1, 2004.

The schedule shows that the System has actuarial liabilities of \$115,644,349, of which

\$60,461,429 is for benefits payable on account of present retired members and beneficiaries,

\$54,808,663 is for benefits payable on account of present active members, and \$374,257 is for

benefits payable on account of present inactive members. Against these liabilities, there are

anticipated future contributions by members of \$13,448,210 and future normal contributions of

\$7,248,317 payable by the Town. Subtracting these amounts from the total actuarial liabilities

leaves \$94,947,822 as the actuarial accrued liability. Against this amount there are assets at

actuarial value of \$53,364,538, which when subtracted from the accrued liability leaves

\$41,583,284 as the unfunded actuarial accrued liability.

The normal contribution rate is 4.94% of annualized compensation.

Belmont Contributory Retirement System January 1, 2004

SECTION VI - CONTRIBUTIONS PAYABLE UNDER THE SYSTEM

Section 22D of MGL Chapter 32 outlines various requirements of a funding schedule that will

amortize the unfunded actuarial liability and cover normal costs. The normal cost and unfunded

actuarial liability are to be calculated in accordance with the entry age normal actuarial cost method.

Amortization of the unfunded actuarial liability is to be based on a schedule that ends no later than

the year 2028. The contribution toward amortization of the unfunded actuarial liability may increase

at an annual rate of  $4\frac{1}{2}$ %.

The table on the following page presents a projection of contributions that meet the Section 22D

requirements. The contributions were computed assuming that each fiscal year's contributions are to

be paid in quarterly installments at the end of each calendar quarter. The normal cost is assumed to

increase by 5% annually, while the unfunded accrued liability contribution increases at an annual

rate of 4½%. The scheduled contribution for fiscal year 2005 has (except for the amount to be

contributed in that fiscal year toward the cost of the 2002 ERI program) been maintained at the level

set in the most recent prior funding schedule adopted by the Retirement Board. This schedule

incorporates the funding required to provide annual COLAs under Chapter 17 of the Acts of 1997.

Belmont Contributory Retirement System January 1, 2004

# Pension Reform Act – Section 22D Funding Requirements

		Amortiz			
			Total Town		
Fiscal Year Ending in	Normal Cost	Active	2002 ERI	Retired (excluding 2002 ERI)	Contribution
2005	\$1,065,846	495,648	24,081	2,102,970	\$3,688,545
2006	914,854	388,665	24,058	2,771,760	\$4,099,337
2007	960,597	406,155	24,058	2,896,489	\$4,287,299
2008	1,008,627	424,432	24,058	3,026,831	\$4,483,948
2009	1,059,058	443,531	24,058	3,163,038	\$4,689,685
2010	1,112,011	463,490	24,058	3,305,375	\$4,904,934
2011	1,167,612	484,347	24,058	3,454,117	\$5,130,134
2012	1,225,993	506,143	24,058	3,609,552	\$5,365,746
2013	1,287,293	528,919	24,058	3,771,982	\$5,612,252
2014	1,351,658	552,720	24,058	3,941,721	\$5,870,157
2015	1,419,241	577,592	24,058	4,119,098	\$6,139,989
2016	1,490,203	603,584	24,058	4,304,457	\$6,422,302
2017	1,564,713	630,745	24,058	4,498,158	\$6,717,674
2018	1,642,949	659,129	24,058	4,700,575	\$7,026,711
2019	1,725,096	688,790	0	4,912,101	\$7,325,987
2020	1,811,351	719,786	0	5,133,146	\$7,664,283
2021	1,901,919	752,176	0	5,364,138	\$8,018,233
2022	1,997,015	786,024	0	5,605,524	\$8,388,563
2023	2,096,866	821,395	0	5,857,773	\$8,776,034
2024	2,201,709	858,358	0	6,121,373	\$9,181,440
2025	2,311,794	896,984	0	6,396,835	\$9,605,613
2026	2,427,384	0	0	0	\$2,427,384
2027	2,548,753	0	0	0	\$2,548,753
2028	2,676,191	0	0	0	\$2,676,191
2029	2,810,001	0	0	0	\$2,810,001
2030	2,950,501	0	0	0	\$2,950,501
2031	3,098,026	0	0	0	\$3,098,026
2032	3,252,927	0	0	0	\$3,252,927
2033	3,415,573	0	0	0	\$3,415,573
2034	3,586,352	0	0	0	\$3,586,352
2035	3,765,670	0	0	0	\$3,765,670

# SCHEDULE A - RESULTS OF THE VALUATION

(Reflecting Chapter 17 COLA Legislation)

1.	Present value of prospective benefits payable in respect of:	<u>January 1, 2002</u>	<u>January 1, 2004</u>
	Present retired members and beneficiaries	\$50,653,114	\$60,461,429
	Present active members	\$54,639,233	\$54,808,663
	Present inactive members	\$ <u>293,361</u>	\$ <u>374,257</u>
	Total actuarial liabilities	\$105,585,708	\$ 115,644,349
2.	Present value of future contributions by members	\$10,468,902	\$13,448,210
3.	Present value of future normal contributions by the Tow	vn \$7,940,732	\$7,248,317
4.	Accrued liability, 1 2 3.	\$87,176,074	\$94,947,822
5.	Actuarial value of assets	\$52,838,407	\$53,364,538
6.	Unfunded accrued liability, 4 6.	\$34,337,667	\$41,583,284
7.	Funded ratio, $5. \div 4$ .	60.6%	56.2%
8.	Present value of future normal contributions by the Town, 3.	\$7,940,732	\$7,248,317
9.	Present value of future salaries of active members	\$ 131,319,000	\$ 146,655,300
10	Normal contribution rate, 8. ÷ 9.	6.05%	4.94%
11	. Annualized compensation of active members below maximum retirement age	\$14,474,752	\$15,976,639
12	Normal cost, January 1, 10. x 11.	\$875,722	\$ 789,246
13	. Normal cost, Town, next fiscal year	\$966,754	\$871,289
14	. Normal cost, employees, next fiscal year	\$1,107,552	\$1,369,363

#### SCHEDULE B - ACTUARIAL ASSUMPTIONS AND METHODS

#### GENERAL EMPLOYEES

VALUATION INTEREST RATE: 8.25% per annum, compounded annually, net of administrative expenses.

PRE-RETIREMENT DEMOGRAPHIC ASSUMPTIONS: Representative values of the assumed annual rates of disability, death, service retirement, salary increase and withdrawal are as follows:

#### Annual Rates of

		De	eath	Service Ro	etirement	Years of	Salary
Age	Disability	Male	Female	Male	Female	Service	Scale
25	.02%	.04%	.02%			0	7.00%
30	.03	.04	.03			1	6.50
35	.06	.08	.05			2	6.50
40	.10	.11	.07			3	6.00
45	.15	.15	.11			4	6.00
50	.19	.21	.17	1.0%	1.5%	5	5.50
55	.24	.30	.25	2.0	5.5	6	5.50
60	.28	.49	.39	12.0	5.0	7	5.00
62	.30	.59	.47	30.0	15.0	8	5.00
65	.30	.76	.58	40.0	15.0	9+	4.75
69		.95	.73	30.0	20.0		

Years of Service	Rates of Withdrawal
0	15.0%
1	12.0%
2	10.0%
3	9.0%
4	8.0%
5	7.6%
10	5.4%
15	3.3%
20	2.0%
25	1.0%
30+	0.0%

COST-OF-LIVING ADJUSTMENTS: Retirement benefits are assumed to increase annually by 3%, up to a maximum of \$360.

DEATHS AFTER RETIREMENT: The RP-2000 Healthy Annuitant Table. For the period after disability retirement, the RP-2000 Healthy Annuitant Table set forward 2 years is used.

LOADING OR CONTINGENCY RESERVE: None.

ACTUARIAL COST METHOD: Aggregate entry age normal cost method.

ASSET VALUATION METHOD: For valuation purposes, assets are valued according to the following general formula, provided such value is within a 20% corridor of the market value:

 $VA = MV - .8I_1 - .6I_2 - .4I_3 - .2I_4$  where

VA = Valuation assets.

MV = Market value of assets as of the valuation date.

 $I_n = Investment gain (loss) during n<sup>th</sup> year preceding the valuation date.$ 

#### POLICE AND FIRE

VALUATION INTEREST RATE: 8.25% per annum, compounded annually, net of administrative expenses.

PRE-RETIREMENT DEMOGRAPHIC ASSUMPTIONS: Representative values of the assumed annual rates of disability, death, service retirement, salary scale and withdrawal are as follows:

#### Annual Rates of

		De	ath	Service
Age	Disability	Male	Female	Retirements
25	0.20%	.04%	.02%	
30	0.30	.04	.03	
35	0.30	.08	.05	
40	0.30	.11	.07	
45	1.00	.15	.11	1.0%
50	1.25	.21	.17	2.0
55	1.20	.30	.25	15.0
60	0.85	.49	.39	20.0
62	0.75	.59	.47	25.0
65	0.00	.76	.58	100.0
69		.95	.73	

Years of Service	Salary Scale
0	8.00%
1	7.50
2	7.00
3	6.50
4	6.00
5	6.00
6	5.50
7	5.50
8+	5.25

Years of	Rates of
Service	Withdrawal
0	1.5%
1	1.5
2	1.5
3	1.5
4	1.5
5	1.5
6	1.5
7	1.5
8	1.5
9	1.5
10	1.5
11+	0.0

COST-OF-LIVING ADJUSTMENTS: Retirement benefits were assumed to increase annually by 3%, up to a maximum of \$360.

DEATHS AFTER RETIREMENT: The RP-2000 Healthy Annuitant Table. For the period after disability retirement, the RP-2000 Healthy Annuitant Table set forward 2 years is used.

LOADING OR CONTINGENCY RESERVE: None.

ACTUARIAL COST METHOD: Aggregate entry age normal cost method.

ASSET VALUATION METHOD: For contribution basis, assets are valued according to the following general formula, provided such value is within a 20% corridor of the market value:

 $VA = MV - .8I_1 - .6I_2 - .4I_3 - .2I_4$  where

VA = Valuation assets.

MV = Market value of assets as of the valuation date.

I<sub>n</sub> = Investment gain (loss) during n<sup>th</sup> year preceding the valuation date.

SCHEDULE C - SUMMARY OF SYSTEM PROVISIONS

**MEMBERSHIP** 

The Retirement System covers all employees of the Town of Belmont except teachers and elected

officials and those employees in service at the time of its establishment who elected not to become

members. Eligible employees in the Town who enter service on or after the date the System became

operative for their classification may become members of the Retirement System on their own

application.

SUMMARY OF BENEFIT AND CONTRIBUTION PROVISIONS

A summary of the main benefit and contribution provisions of the Retirement System, as interpreted

for the valuation, is presented below.

The terms "Group 1" and "Group 4" are used to denote "general employees" and "police and fire",

respectively.

**BENEFITS** 

Final Average Salary (FAS)

The average of a member's 3 highest consecutive years'

compensation.

Superannuation Retirement

Eligibility Age 65 for Group 1; Age 55 for Group 4. Maximum

retirement age is 70 for Group 1 and 65 for Group 4.

Allowance 2.5% per year of service times FAS. Veterans receive

additional \$15 annually per year of service to a maximum of

\$300 annually. Maximum total allowance is 80% of FAS.

Early Retirement

Eligibility 20 years of service.

Allowance

Calculated as a superannuation retirement allowance (including veteran's benefits) except accrual rate is equal to 2.5% reduced by .1% for each year age at retirement is below either 65 for Group 1 or 55 for Group 4.

The minimum allowance after 30 years of service is equal to:

- (1) An annuity which is the actuarial equivalent of member's accumulated deductions; and
- (2) A pension equal to 1/3 of FAS and any veteran's benefits as described under superannuation retirement.

**Vested Retirement** 

Eligibility

10 years of service. For certain involuntary terminations, this is reduced to 6 years.

Allowance

A superannuation retirement allowance commencing at age 55 for Group 1 members and age 45 for Group 4 members or later, where the accrual rate is determined by the age of the member at the time the allowance commences.

**Ordinary Disability** 

Eligibility

For non-veterans, 10 years of service prior to age 55 for Group 1 members or age 45 for Group 4 members. For veterans, 10 years of service prior to maximum retirement age.

Allowance

An immediate allowance equal to the age 55 rate for Group 1 members or age 45 rate for Group 4 members per year of service times FAS.

Veterans receive an allowance equal to:

- (1) An annuity which is the actuarial equivalent of their accumulated deductions; and
- (2) A pension which is the greater of 50% of current salary and the service retirement allowance to which they are eligible, if any.

Accidental Disability

Eligibility

None.

Allowance

An immediate allowance equal to:

- (1) An annuity which is the actuarial equivalent of the member's accumulated deductions; and
- (2) A pension equal to 72% of current salary; and
- (3) A supplement equal to \$450 per year per child under 21.

The maximum total allowance is 100% of current salary.

#### Accidental Death Benefit

Eligibility

None.

Allowance

An immediate allowance equal to:

- (1) A lump sum payment equal to the accumulated deductions at death; and
- (2) A pension equal to 72% of current salary and payable to the surviving spouse, dependent children, or the dependent parents; and
- (3) A supplement of \$312 per year per child payable to the spouse or legal guardian until all children reach age 21, unless handicapped.

The maximum total allowance is 100% of current salary.

### Death in Active Service

Eligibility

None.

Allowance

An immediate allowance that would have been payable had the member retired and elected the 2/3 joint and survivor option on the day before his death. For death occurring prior to the minimum superannuation retirement age, the age 55 and age 45 accrual rates are used, respectively, for Group 1 and Group 4 members.

For members with at least 2 years of service at death, the surviving spouse receives an additional allowance equal to

the sum of \$960 per year for the first child and \$720 per year for each additional child.

The minimum allowance is \$140 per month. The maximum total allowance is 100% of salary at the date of death.

Normal Form of Benefit

Reduced modified cash refund annuity.

Optional Forms of Benefit

- (1) Life annuity.
- (2) Modified cash refund annuity.
- (3) 66-2/3% joint and survivor allowance with Pop-up.

Return of Contribution

If no other benefit is payable upon termination, the member's accumulated deductions are returned.

Post-Retirement Adjustments

Up to 3% of the annual retirement allowance up to a maximum of \$360 annually.

**Member Contributions** 

Members contribute a percentage of annual regular compensation in accordance with their respective dates of hire, as shown below:

	Rate of
Date of Hire	<b>Contribution</b>
Prior to January 1, 1975	5%
On or after January 1, 1975	7%
On or after January 1, 1984	8%
On or after July 1, 1996	9%

Members hired on or after January 1, 1979 contribute an additional 2% of compensation in excess of \$30,000.

Longevity Payments to Police Officers

Longevity compensation provided to Police Officers pursuant to collective bargaining agreements is assumed to be included in the compensation upon which retirement benefits are based.

# SCHEDULE D

# MEMBERSHIP TABLES

TABLE 1

THE NUMBER AND ANNUAL COMPENSATION OF ACTIVE MEMBERS
DISTRIBUTED BY FIFTH AGE AND SERVICE
AS OF JANUARY 1, 2004

	0-4		0-4		5-9		10-14	1	15-19	)	20-24	1	25-29	)	30-34	1	35-39	)	40 and	over	TOTAL	Ĺ
	Salary	No.	Salary	No.	Salary	No.	Salary	No.														
Under 20	38,120	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38,120	1		
20-24	186,446	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	186,446	10		
25-29	647,404	22	140,474	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	787,878	26		
30-34	647,099	21	486,843	10	144,819	4	47,430	1	0	0	0	0	0	0	0	0	0	0	1,326,191	36		
35-39	391,585	16	1,006,238	19	408,843	8	457,719	9	0	0	0	0	0	0	0	0	0	0	2,264,386	52		
40-44	961,372	31	383,343	12	553,532	9	588,637	11	369,210	6	0	0	0	0	0	0	0	0	2,856,095	69		
45-49	507,253	19	446,466	12	234,418	7	550,992	11	345,661	4	339,607	5	0	0	0	0	0	0	2,424,396	58		
50-54	513,650	19	197,693	7	205,963	7	428,104	10	263,945	4	308,705	6	723,010	11	37,264	1	0	0	2,678,335	65		
55-59	272,928	13	158,580	7	303,444	10	175,921	3	38,723	2	473,862	8	251,823	5	173,096	3	0	0	1,848,378	51		
60-64	257,388	6	96,575	4	212,483	9	174,730	5	0	0	81,036	2	37,021	1	183,526	3	178,697	2	1,221,455	32		
65-69	37,236	4	8,315	1	35,554	1	80,341	2	140,010	2	35,995	1	0	0	0	0	0	0	337,451	11		
70 and over	11,378	2	34,983	2	35,002	4	0	0	0	0	2,496	1	29,595	1	0	0	0	0	113,454	10		
TOTAL	4,471,859	164	2,959,511	78	2,134,058	59	2,503,875	52	1,157,549	18	1,241,701	23	1,041,449	18	393,886	7	178,697	2	16,082,586	421		

TABLE 2

THE NUMBER AND ANNUAL PENSIONS OF RETIRED MEMBERS AND BENEFICIARIES DISTRIBUTED BY AGE AS OF JANUARY 1, 2004

	Servic	e Retirements	Disabil	lity Retirements	Beneficiaries			
Age	Number	Annual Pension	Number	Annual Pension	Number	Annual Pension		
Under 20	0	0	0	0	0	0		
20 - 24	0	0	0	0	0	0		
25 - 29	0	0	0	0	0	0		
30 - 34	0	0	0	0	1	7,636		
35 - 39	0	0	0	0	0	0		
40 - 44	0	0	2	43,176	1	5,752		
45 - 49	0	0	1	35,927	2	11,034		
50 - 54	3	61,182	5	141,320	1	13,189		
55 - 59	27	850,196	8	171,111	1	59,856		
60 - 64	43	1,101,693	4	86,163	5	71,616		
65 - 69	43	1,119,469	7	163,890	4	89,208		
70 - 74	43	877,251	6	111,349	4	91,558		
75 - 79	44	656,810	5	79,936	5	38,952		
80 - 84	43	552,156	0	0	2	26,302		
85 - 89	19	204,811	1	14,111	2	31,017		
90 - 94	6	49,790	0	0	3	35,460		
95 - 99	1	2,277	1	13,580	2	15,279		
100 and over	0	0	0	0	0	0		
Total	272	5,475,636	40	860,563	33	496,857		

<sup>&</sup>quot;Annual Pension" is the total amount payable annually, including state-funded cost-of-living adjustments implemented after July 1, 1981 and before July 1, 1998.

#### SCHEDULE E - VALUATION RESULTS BY GROUP

#### AS OF JANUARY 1, 2004

		Town of Belmont	Housing Authority	Light Department	Water	School	Police & Fire	Tota
			•	•				
Active members:								
Number		149	7	23	13	136	100	421
Annual compensation		5,428,828	250,958	1,201,509	567,082	3,005,654	5,628,556	16,082,587
Average age		47.9	50.7	45.9	50.5	46.6	41.8	46.9
Average service		9.5	5.6	16.0	18.1	4.9	13.7	9.7
Average compensation		36,435	35,851	52,240	43,622	22,100	56,286	38,201
Accumulated contributions		4,546,783	128,292	1,178,534	585,744	1,448,542	5,073,049	12,960,944
Pensioners and beneficiaries:								
Number		97	8	31	14	63	132	345
Annual benefit payments		1,649,303	109,391	514,908	245,697	642,163	3,671,594	6,833,056
State funded COLA		52,782	2,760	16,963	14,341	30,893	120,515	238,254
Net payments (funded by Town)		1,596,521	106,631	497,945	231,356	611,270	3,551,079	6,594,802
Average benefit		16,459	13,329	16,063	16,525	9,703	26,902	19,115
Inactive members:								
Number		7	0	1	1	36	3	48
Accumulated contributions		111,272	0	36,913	15,548	160,470	50,054	374,257
Assets (actuarial value)		18,013,699	832,718	3,986,795	1,881,667	9,973,230	18,676,429	53,364,538
Unfunded actuarial liability		14,070,009	886,691	3,313,900	1,436,777	7,615,220	14,260,687	41,583,284
Funding for fiscal:	2005	1,285,277	81,215	340,419	148,182	544,248	1,289,204	3,688,545
	2006	1,384,285	89,572	322,566	141,930	752,260	1,408,724	4,099,337
	2007	1,448,122	92,592	337,423	148,478	786,967	1,473,717	4,287,299
	2008	1,514,907	95,751	352,966	155,329	823,278	1,541,717	4,483,948
	2009	1,584,781	99,056	369,226	162,497	861,268	1,612,857	4,689,685